



## SEQUENCE LISTING

<110> SANSON, ALAIN  
OCHSENBEIN, FRANCOISE  
DOLLE, FREDERIC

<120> LABELLED PEPTIDES HAVING AFFINITY FOR A PHOSPHOLIPID AND USES

<130> 263859US0XPCT

<140> 10/518,382

<141> 2004-12-29

<150> PCT/FR03/02027

<151> 2003-06-30

<150> FR 02 08204

<151> 2002-07-01

<160> 14

<170> PatentIn version 3.3

<210> 1

<211> 75

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 1

Gly Phe Asp Glu Arg Ala Asp Val Glu Thr Leu Arg Lys Ala Met Lys  
1 5 10 15

Gly Leu Gly Thr Asp Glu Glu Ser Ile Leu Thr Leu Leu Thr Ser Arg  
20 25 30

Ser Asn Ala Gln Arg Gln Glu Ile Ser Ala Ala Tyr Lys Thr Leu Phe  
35 40 45

Gly Arg Asp Leu Leu Asp Asp Leu Lys Ser Glu Leu Thr Gly Lys Phe  
50 55 60

Glu Lys Leu Val Val Ala Leu Leu Lys Pro Ser  
65 70 75

<210> 2

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<212> PRT

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Asn Phe Asp Ala Glu Arg Asp Ala Leu Asn Ile Arg Lys Ala Ile Lys  
1 5 10 15

Gly Met Gly Val Asp Glu Asp Thr Ile Val Asn Ile Leu Thr Asn Arg  
20 25 30

Ser Asn Ala Gln Arg Gln Asp Ile Ala Phe Ala Tyr Gln Arg Arg Thr  
35 40 45

Lys Arg Glu Leu Ala Ser Asp Leu Lys Ser Glu Leu Ser Gly His Leu  
50 55 60

Glu Arg Val Ile Leu Gly Leu Leu Lys Thr Ser  
65 70 75

<210> 3

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Asp Phe Ser Pro Ser Val Asp Ala Glu Ala Ile Arg Lys Ala Ile Lys  
1 5 10 15

Gly Ile Gly Thr Asp Glu Asp Met Leu Ile Ser Ile Leu Thr Glu Arg  
20 25 30

Ser Asn Ala Gln Arg Gln Leu Ile Val Lys Glu Tyr Gln Ala Ala Tyr  
35 40 45

Gly Arg Glu Leu Lys Asp Asp Leu Lys Ser Glu Leu Ser Gly His Phe  
50 55 60

Glu Arg Leu Met Val Ala Leu Val Thr Pro Ser  
65 70 75

<210> 4

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<212> PRT

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<400> 4

Gly Phe Asn Ala Met Glu Asp Ala Gln Thr Leu Arg Lys Ala Met Lys  
1 5 10 15

Gly Leu Gly Thr Asp Glu Asp Ala Ile Ile Ser Val Leu Ala Tyr Arg  
20 25 30

Asn Thr Ala Gln Arg Gln Glu Ile Arg Thr Ala Tyr Lys Ser Thr Ile  
35 40 45

Gly Arg Asp Leu Ile Asp Asp Leu Lys Ser Glu Leu Ser Gly Asn Phe  
50 55 60

Glu Arg Val Ile Val Gly Met Met Thr Pro Ser  
65 70 75

<210> 5

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<400> 5

Gly Phe Asp Pro Asn Gln Asp Ala Glu Ala Leu Arg Thr Ala Met Lys  
1 5 10 15

Gly Phe Gly Ser Asp Glu Glu Ala Ile Leu Asp Ile Ile Thr Ser Arg  
20 25 30

Ser Asn Arg Gln Arg Gln Glu Val Cys Gln Ser Tyr Lys Ser Leu Tyr  
35 40 45

Gly Arg Asp Leu Ile Ala Asp Leu Lys Ser Glu Leu Thr Gly Lys Phe  
50 55 60

Glu Arg Leu Ile Val Gly Leu Met Arg Pro Ser  
65 70 75

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Gly Phe Asn Pro Asp Ala Asp Ala Lys Ala Leu Arg Lys Ala Met Lys  
1 5 10 15

Gly Leu Gly Thr Asp Glu Asp Thr Ile Ile Asp Ile Ile Thr His Arg  
20 25 30

Ser Asn Val Gln Arg Gln Gln Ile Arg Gln Thr Phe Lys Ser His Phe  
35 40 45

Gly Arg Asp Leu Met Thr Asp Leu Lys Ser Glu Ile Ser Gly Asp Leu  
50 55 60

Glu Arg Leu Ile Leu Gly Leu Met Met Pro Ser  
65 70 75

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Pro Gly Asp Ala Ile Arg Asp Ala Glu Ile Leu Arg Lys Ala Met Lys  
1 5 10 15

Gly Phe Gly Thr Asp Glu Gln Ala Ile Val Asp Val Val Ala Asn Arg  
20 25 30

Ser Asn Asp Gln Arg Gln Lys Ile Lys Ala Ala Phe Lys Thr Ser Tyr  
35 40 45

Gly Arg Asp Leu Ile Lys Asp Leu Lys Ser Glu Leu Ser Gly Asn Met  
50 55 60

Glu Arg Leu Ile Leu Ala Leu Phe Met Pro Ser  
65 70 75

<210> 8  
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<400> 8

His Phe Asn Pro Asp Pro Asp Val Glu Thr Leu Arg Lys Ala Met Lys  
 1 5 10 15

Gly Ile Gly Thr Asn Glu Gln Ala Ile Ile Asp Val Leu Thr Lys Arg  
 20 25 30

Ser Asn Thr Gln Arg Gln Thr Ile Ala Lys Ser Phe Lys Ala Gln Phe  
 35 40 45

Gly Arg Asp Leu Thr Glu Asp Leu Lys Ser Glu Leu Ser Gly Lys Leu  
 50 55 60

Glu Arg Leu Ile Val Ala Leu Met Tyr Pro Ser  
 65 70 75

<210> 9  
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Gly Phe Asp Pro Leu Arg Asp Ala Glu Val Leu Arg Lys Ala Met Lys  
 1 5 10 15

Gly Phe Gly Thr Asp Glu Gln Ala Ile Ile Asp Cys Leu Gly Ser Arg  
 20 25 30

Ser Asn Lys Gln Arg Gln Gln Ile Leu Leu Ser Phe Lys Thr Ala Tyr  
 35 40 45

Gly Arg Asp Leu Ile Lys Asp Leu Lys Ser Glu Leu Ser Gly Asn Phe  
 50 55 60

Glu Lys Thr Ile Leu Ala Leu Met Lys Thr Ser



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 <223> Xaa = Phe or Tyr

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 <223> Xaa = Thr or Glu

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 <223> Xaa = Gly or Lys

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 <223> Xaa = Glu or Lys

<220>  
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 <223> Xaa = Glu or Leu

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Gly Ser Gly Cys Gly Phe Asp Glu Arg Ala Asp Val Glu Thr Leu Arg  
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Lys Ala Met Lys Gly Xaa Gly Thr Asp Glu Glu Ser Ile Leu Thr Leu  
 20 25 30

Leu Xaa Ser Arg Ser Asn Ala Gln Arg Gln Glu Ile Xaa Ala Ala Xaa  
 35 40 45

Lys Xaa Leu Phe Gly Arg Asp Leu Leu Asp Asp Leu Lys Ser Xaa Leu  
 50 55 60

Thr Gly Lys Phe Xaa Lys Xaa Val Val Ala Leu Leu Lys Pro Ser  
 65 70 75

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<400> 12

Gly Ser Pro Gly Phe Asp Glu Arg Ala Asp Val Glu Thr Leu Arg Lys  
 1 5 10 15

Ala Met Lys Gly Leu Gly Thr Asp Glu Glu Ser Ile Leu Thr Leu Leu  
 20 25 30

Thr Ser Arg Ser Asn Ala Gln Arg Gln Glu Ile Ser Ala Ala Tyr Lys  
 35 40 45

Thr Leu Phe Gly Arg Asp Leu Leu Asp Asp Leu Lys Ser Glu Leu Thr  
 50 55 60

Gly Lys Phe Glu Lys Leu Val Val Ala Leu Leu Lys Pro Ser  
 65 70 75

<210> 13  
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 <223> Xaa = Ser or Lys

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 <223> Xaa = Phe or Tyr

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 <223> Xaa = Thr or Glu

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 <223> Xaa = Glu or Lys

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 <223> Xaa = Glu or Leu

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Thr	Leu	Arg	Lys	Ala	Met	Lys	Gly	Xaa	Gly	Thr	Asp	Glu	Glu	Ser	Ile
			20					25					30		

Leu	Thr	Leu	Leu	Xaa	Ser	Arg	Ser	Asn	Ala	Gln	Arg	Gln	Glu	Ile	Xaa
		35					40					45			

Ala	Ala	Xaa	Lys	Xaa	Leu	Phe	Gly	Arg	Asp	Leu	Leu	Asp	Asp	Leu	Lys
	50					55					60				

Ser	Xaa	Leu	Thr	Gly	Lys	Phe	Xaa	Lys	Xaa	Val	Val	Ala	Leu	Leu	Lys
65					70					75				80	

Pro Ser Arg

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 <223> Xaa = Phe or Tyr

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 <223> Xaa = Glu or Lys

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 <223> Xaa = Glu or Lys

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 <223> Xaa = Glu or Leu

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Gly	Ser	Gly	Cys	Gly	Thr	Glu	Thr	Asp	Phe	Pro	Gly	Phe	Asp	Glu	Arg
1				5					10					15	

Ala	Asp	Val	Glu	Thr	Leu	Arg	Lys	Ala	Met	Lys	Gly	Xaa	Gly	Thr	Asp
			20					25					30		

Glu	Glu	Ser	Ile	Leu	Thr	Leu	Leu	Xaa	Ser	Arg	Ser	Asn	Ala	Gln	Arg
		35					40					45			

Gln	Glu	Ile	Xaa	Ala	Ala	Xaa	Lys	Xaa	Leu	Phe	Gly	Arg	Asp	Leu	Leu
	50					55					60				

Asp	Asp	Leu	Lys	Ser	Xaa	Leu	Thr	Gly	Lys	Phe	Xaa	Lys	Xaa	Val	Val
65					70					75				80	

Ala	Leu	Leu	Lys	Pro	Ser	Arg
				85		